

ABSTRACT OF THE DISCLOSURE

The invention relates to a thermoformable panel composed of thermoplastic fibers forming a nonwoven fabric pressed under heating to cause a partial "melting" of the fibers, i.e. at least a partial loss of the fibrous phase and a change into a viscous or viscoelastic phase, the relative distributions of the fibers that retain the fibrous phase and the viscous or viscoelastic state depending on the depth thereof in the sheet thickness. The invention further relates to a formed, especially a highly embossed panel made of a thermoformable plastic material and to a method of fabricating a highly embossed panel, which may find use in the automotive, naval, aerospace, railway and building industries, for the fabrication of interior or exterior coverings or structural members.